

Date Searched: 9/16/2006

Databases Searched: USPAT, USPGPUB

Plurals: ON

Terms Searched:

L1 (((leading or trailing) near3 edge) or (fall\$3 or rise\$2 or rising or transition\$2 or switch\$3) near3 (time or timing))

L2 ((interval or range\$2 or ranging or period or cycle or window) near3 (time or timing or clock))

L3 ((voltage or power) near5 (variation or varie\$2 or vary\$3 or deviat\$4 or fluctuat\$4))

L4 1 and 2 and 3

Results: 41437 hits

L5 (number or quantity or amount) same 3

L6 1 and 2 and 5

Results: 10848 hits

L7 716/1-18.ccls. or 702/79,69,64-65,125,176.ccls. or 324/522-524,532-533,537.ccls. or 703/14-16,19.ccls.

L8 6 and 7

Results: 138 hits

L9 1 same (occur\$6 or overlap\$4 or simultaneous\$2 or concurren\$4 or parallel\$2) same 2

L10 9 and 5 and 7

Results: 34 hits

L11 1 same (occur\$6 or overlap\$4 or simultaneous\$2 or concurren\$4 or parallel\$2)

L12 11 and 5 and 7

Results: 141 hits

L13 ideal or ((no or "not" or neglect\$3 or negligible or insignifican\$3) near5 (delay or skew or slack))

L14 11 same 13

L15 14 and 5 and 7

Results: 8 hits

L16 (power or voltage or potential) same (different or separate or ("not" adj3 "same")) same (vdd or vcc or (common adj2 (voltage or power or potential)))

L17 9 and 16

Results: 479 hits

L18 7 and 17

Results: 12 hits

US 6345379 B1 USPAT Khouja; Adel et al. 716/4

US 20030226122 A1 US-PGPUB Hathaway, David J. et al. 716/2

US 20030212538 A1 US-PGPUB Lin, Shen et al. 703/14

US 6480815 B1 USPAT Olson; Janet et al. 703/14

US 5903476 A USPAT Mauskar; Ashutosh S. et al. 716/1

Databases Searched: EPO, JPO, IBM TDB, Derwent

Plurals: ON

Terms Searched:

L1 (((leading or trailing) near3 edge) or (fall\$3 or rise\$2 or rising or transition\$2 or switch\$3) near3 (time or timing))

L2 ((interval or range\$2 or ranging or period or cycle or window) near3 (time or timing or clock))

L3 ((voltage or power) near5 (variation or varie\$2 or vary\$3 or deviat\$4 or fluctuat\$4))

L4 (number or quantity or amount)

L5 1 and 2 and 3 and 4  
 Results: 70 hits  
 L6 g06f\$.ipc. and 5  
 Results: 1 hit  
 L7 (IBM TDB only) 1 and 2 and 3 and 4  
 Results: 9 hits  
  
 L8 1 same (occur\$6 or overlap\$4 or simultaneous\$2 or concurren\$4 or parallel\$2) same 2  
 L9 4 and 8 and 3  
 Results: 14 hits  
 L10 1 same (occur\$6 or overlap\$4 or simultaneous\$2 or concurren\$4 or parallel\$2)  
 L11 ideal or ((no or "not" or neglect\$3 or negligible or insignifican\$3) near5 (delay or skew or slack))  
 L12 3 and 4 and 10 and 11  
 Results: 0 hit  
 L13 (power or voltage or potential) same (different or separate or ("not" adj3 "same")) same  
 (vdd or vcc or (common adj2 (voltage or power or potential)))  
 L14 8 and 13  
 Results: 5 hits

# **\*\*Interference Search\*\***

Database Searched: USPGPUB

Plurals: ON

Terms Searched:

L1 (((((leading or trailing) near3 edge) or (fall\$3 or rise\$2 or rising or transition\$2 or switch\$3) near3 (time or timing))) and (((interval or range\$2 or ranging or period or cycle or window) near3 (time or timing or clock))) and (((voltage or power) near5 (variation or varie\$2 or vary\$3 or deviat\$4 or fluctuat\$4))) and (number or quantity or amount) ).clm.

Results: 83 hits

L2 (((((leading or trailing) near3 edge) or (fall\$3 or rise\$2 or rising or transition\$2 or switch\$3) near3 (time or timing))) near15 (((interval or range\$2 or ranging or period or cycle or window) near3 (time or timing or clock))) and (((voltage or power) near5 (variation or varie\$2 or vary\$3 or deviat\$4 or fluctuat\$4))) near15 (number or quantity or amount) ).clm.

Results: 9 hits

L3 (((((leading or trailing) near3 edge) or (fall\$3 or rise\$2 or rising or transition\$2 or switch\$3) near3 (time or timing))) and (ideal or ((no or "not" or neglect\$3 or negligible or insignifican\$3) near3 (delay or skew or slack))) and (((voltage or power) near5 (variation or varie\$2 or vary\$3 or deviat\$4 or fluctuat\$4))) and (number or quantity or amount) ).clm.

Results: 1 hit

L4 (((((leading or trailing) near3 edge) or (fall\$3 or rise\$2 or rising or transition\$2 or switch\$3) near3 (time or timing))) and (ideal or ((no or "not" or neglect\$3 or negligible or insignifican\$3) near5 (delay or skew or slack))) and (((voltage or power) near5 (variation or varie\$2 or vary\$3 or deviat\$4 or fluctuat\$4))) and (number or quantity or amount) ).clm.

Results: 2 hits

L5 (((((leading or trailing) near3 edge) or (fall\$3 or rise\$2 or rising or transition\$2 or switch\$3) near3 (time or timing))) and (((interval or range\$2 or ranging or period or cycle or window) near3 (time or timing or clock))) and ((power or voltage or potential) near15 (different or separate or ("not" adj3 "same"))) near15 (vdd or vcc or (common adj2 (voltage or power or potential)))) and (number or quantity or amount) ).clm.

Results: 2 hits

Date Searched: 9/15/2006

Database Searched: IEE/IEEE Xplore

Terms Searched: (((leading or trailing) <near/3> edge) or (fall\* or rise\* or rising or

transition\* or switch\*) <near/3> (time or timing)) and ((interval or range\* or ranging or period or cycle) <near/3> (time or timing or clock)) and ((voltage or power) <near/5> (variation or varie\* or vary\* or deviat\* or fluctuat\*))

Results: Your search matched 7 of **1408155** documents.

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L14	2	(((((leading or trailing) near3 edge) or (fall\$3 or rise\$2 or rising or transition\$2 or switch\$3) near3 (time or timing))) and (((interval or range\$2 or ranging or period or cycle or window) near3 (time or timing or clock))) and ((power or voltage or potential) near15 (different or separate or ("not" adj3 "same"))) near15 (vdd or vcc or (common adj2 (voltage or power or potential)))) and (number or quantity or amount) ).clm.	US-PGPUB	OR	ON	2006/09/16 15:19
S36	83	(((((leading or trailing) near3 edge) or (fall\$3 or rise\$2 or rising or transition\$2 or switch\$3) near3 (time or timing))) and (((interval or range\$2 or ranging or period or cycle or window) near3 (time or timing or clock))) and (((voltage or power) near5 (variation or varie\$2 or vary\$3 or deviat\$4 or fluctuat\$4))) and (number or quantity or amount) ).clm.	US-PGPUB	OR	ON	2006/09/16 13:23
S37	9	((((((leading or trailing) near3 edge) or (fall\$3 or rise\$2 or rising or transition\$2 or switch\$3) near3 (time or timing))) near15 (((interval or range\$2 or ranging or period or cycle or window) near3 (time or timing or clock)))) and (((voltage or power) near5 (variation or varie\$2 or vary\$3 or deviat\$4 or fluctuat\$4))) near15 (number or quantity or amount) ).clm.	US-PGPUB	OR	ON	2006/09/16 13:18
S38	1	(((((leading or trailing) near3 edge) or (fall\$3 or rise\$2 or rising or transition\$2 or switch\$3) near3 (time or timing))) and (ideal or ((no or "not" or neglect\$3 or negligible or insignifican\$3) near3 (delay or skew or slack))) and (((voltage or power) near5 (variation or varie\$2 or vary\$3 or deviat\$4 or fluctuat\$4))) and (number or quantity or amount) ).clm.	US-PGPUB	OR	ON	2006/09/16 13:24

## EAST Search History

S39	2	((((leading or trailing) near3 edge) or (fall\$3 or rise\$2 or rising or transition\$2 or switch\$3) near3 (time or timing))) and (ideal or ((no or "not" or neglect\$3 or negligible or insignifican\$3) near5 (delay or skew or slack))) and (((voltage or power) near5 (variation or varie\$2 or vary\$3 or deviat\$4 or fluctuat\$4))) and (number or quantity or amount) ).clm.	US-PGPUB	OR	ON	2006/09/16 13:25
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